

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A data visualization system for use in storing and visualizing data generated during use of one or more process management systems in managing processes, said data management system comprising:
  - i) a request input for receiving a data visualization service request from a process management system;
  - ii) a data input for receiving data inputs from the process management system;
  - iii) a service definitions store for storing a set of data visualization service definitions each comprising one or more service requirements in relation to respective ones of a set of data visualization service identifiers, including identification of data inputs required for provision of data visualization services in respect of each data visualization service identifier;
  - iv) data visualization service request processing means for accessing a service identifier in a received data visualization service request;
  - v) service identifier processing means for selecting a service definition from the service definition store in accordance with an accessed service identifier;

- vi) a data input store for storing data inputs from the process management system required for provision of a data visualization service associated with an accessed data visualization service identifier; and
  - vii) means to associate data inputs received from a process management system with the process management system which generated the data, together with means to review the contents of the data input store for entries in respect of that process management system.
2. (Previously Presented) A data visualization system as in claim 1, the system also comprising a visualization tool store for storing a set of visualization tools.
3. (Previously Presented) A data visualization system as in claim 1, wherein at least one of the service definitions defines a data storage service in which data inputs of one or more types are stored in the data input store.
4. (Previously Presented) A data visualization system as in claim 3 having means to map data inputs identified by a first service definition to data inputs already stored in accordance with a second service definition.
5. (Previously Presented) A data visualization system as in claim 2, the system further comprising a visualization tool input for loading visualization tools to the visualization tool store, said store being provided with an index of tools currently loaded.

6. (Previously Presented) A data visualization system as in claim 1 which system also comprises data analysis means.

7. (Previously Presented) A method of visualizing data generated during use of one or more process management systems in managing processes, said method comprising:

- i) receiving a data visualization service request from a process management system;
- ii) receiving data inputs from the process management system;
- iii) storing a set of data visualization service definitions in a service definition store, each said service definition including identification of data inputs required for provision of a data visualization service in respect of a data visualization service identifier;
- iv) accessing a data visualization service identifier in a received data visualization service request;
- v) selecting a service definition from the service definition store in accordance with the accessed service identifier; and
- vi) storing data inputs in association with the process management system making the data visualization service request, which data inputs have been identified by the selected service definition.

8. (Previously Presented) A method as in claim 7 wherein a first stored service definition defines a data storage service and a second stored service definition identifies data inputs stored in accordance with the data storage service.

9. (Previously Presented) A method as in claim 7, the method further comprising:

loading one or more service definitions to the service definitions store, subsequent to receiving data inputs from the process management system, said subsequently loaded service definition(s) identifying at least one of said data inputs previously received.

10. (Currently Amended) A data visualization system for use in storing and visualizing data generated during use of a remote process management computer system, said data visualization system comprising:

a visualization service definitions store storing a set of data visualization service definitions, each definition comprising a data visualization service identifier and data inputs required for provision of said visualization service;

a visualization service request input for receiving a data visualization service request from said remote process management computer system;

a data input for receiving data from the remote process management computer system;

a data visualization service request processor which accesses a visualization service identifier in a received data visualization service request;

a service identifier processor which selects a service definition from the service definition store in accordance with said accessed service identifier;

a data input store storing data inputs from the remote process management computer system required for provision of the data visualization service associated with said visualization service identifier.

11. (Previously Presented) A method of visualizing data generated during use of one or more remote process management computer systems in managing processes, said method comprising:

receiving a data visualization service request from a remote process management computer system;

receiving data inputs from the remote process management computer system;

storing a set of data visualization service definitions, each said service definition including identification of data inputs required for provision of a data visualization service corresponding to a data visualization service identifier;

accessing a data visualization service identifier in a received data visualization service request;

selecting a service definition from the stored service definitions in accordance with the accessed service identifier; and

storing data inputs in association with the process management system making the data visualization service request, which data inputs have been identified by the selected service definition.

12. (Previously Presented) A distributed computer system comprising:
- one or more process management computer systems;
  - a data visualization system which stores and visualizes data generated during use of said one or more process management computer systems;
  - a communications link between said process management computer system and said data visualization system;
- wherein said data management system comprises:
- i) a visualization service definitions store storing a set of data visualization service definitions, each definition comprising a data visualization service identifier and data inputs required for provision of said visualization service;
  - ii) a visualization service request input receiving a data visualization service request from said process management system;
  - iii) a data input receiving data from the process management system;
  - iv) a data visualization service request processor which accesses a visualization service identifier in a received data visualization service request;

- v) a service identifier processor which selects a service definition from the service definition store in accordance with said accessed service identifier;  
and
- vi) a data input store storing data inputs from the process management system required for provision of the data visualization service associated with said visualization service identifier.

13. (Previously Presented) A distributed computer system as in claim 12, said data visualization system also comprising a visualization tool store for storing a set of visualization tools.

14. (Previously Presented) A distributed computer system as in claim 12, wherein at least one of the service definitions defines a data storage service in which data inputs of one or more types are stored in the data input store.

15. (Previously Presented) A distributed computer system as in claim 12 said data visualization system maps data inputs identified by a first service definition to data inputs already stored in accordance with a second service definition.

16. (Previously Presented) A distributed computer system as in claim 13, the data visualization system further comprising a visualization tool input for loading visualization tools to the visualization tool store, said store being provided with an index of tools currently loaded.

17. (Previously Presented) A distributed computer system as in claim 13 wherein said data visualization system further comprises means to associate data inputs received from a process management system with the process management system which generated the data, together with means to review the contents of the data input store for entries in respect of that process management system.

18. (Previously Presented) A distributed computer system as in claim 12 which system also comprises data analysis means.

19. (New) A data visualization system for use in storing and visualizing data generated during use of one or more process management systems in managing processes, said data visualization system comprising:

- i) a request input for receiving a data visualization service request from a process management system separate from said data visualization system;
- ii) a data input for receiving data inputs from the separate process management system;
- iii) a service definitions store for storing a set of data visualization service definitions each comprising one or more service requirements in relation to respective ones of a set of data visualization service identifiers, including identification of data inputs required for provision of data visualization services in respect of each data visualization service identifier;



- iv) data visualization service request processing means for accessing a service identifier in a received data visualization service request from said separate process management system ;
- v) service identifier processing means for selecting a service definition from the service definition store in accordance with an accessed service identifier;
- vi) a data input store for storing data inputs from the separate process management system required for provision of a data visualization service associated with an accessed data visualization service identifier; and
- vii) means to associate data inputs received from a separate process management system with the separate process management system which generated the data, together with means to review the contents of the data input store for entries in respect of that separate process management system.

20. (New) A data visualization system as in claim 19, the system also comprising a visualization tool store for storing a set of visualization tools.

21. (New) A data visualization system as in claim 19 wherein at least one of the service definitions defines a data storage service in which data inputs of one or more types are stored in the data input store.

22. (New) A data visualization system as in claim 21 having means to map data inputs identified by a first service definition to data inputs already stored in accordance with a second service definition.

23. (New) A data visualization system as in claim 20, the system further comprising a visualization tool input for loading visualization tools to the visualization tool store, said store being provided with an index of tools currently loaded.

24. (New) A data visualization system as in claim 19 which system also comprises data analysis means.

25. (New) A method of operating a data visualization system to visualize data generated during use of one or more process management systems in managing processes, said method comprising:

- i) receiving a data visualization service request from a process management system separate from said data visualization system;
- ii) receiving data inputs from the separate process management system;
- iii) storing a set of data visualization service definitions in a service definition store, each said service definition including identification of data inputs required for provision of a data visualization service in respect of a data visualization service identifier;

- iv) accessing a data visualization service identifier in a received data visualization service request;
- v) selecting a service definition from the service definition store in accordance with the accessed service identifier; and
- vi) storing data inputs in association with the separate process management system making the data visualization service request, which data inputs have been identified by the selected service definition.

26. (New) A method as in claim 25 wherein a first stored service definition defines a data storage service and a second stored service definition identifies data inputs stored in accordance with the data storage service.

27. (New) A method as in claim 25 the method further comprising:

loading one or more service definition s to the service definitions store, subsequent to receiving data inputs from the process management system, said subsequently loaded service definition(s) identifying at least one of said data inputs previously received.